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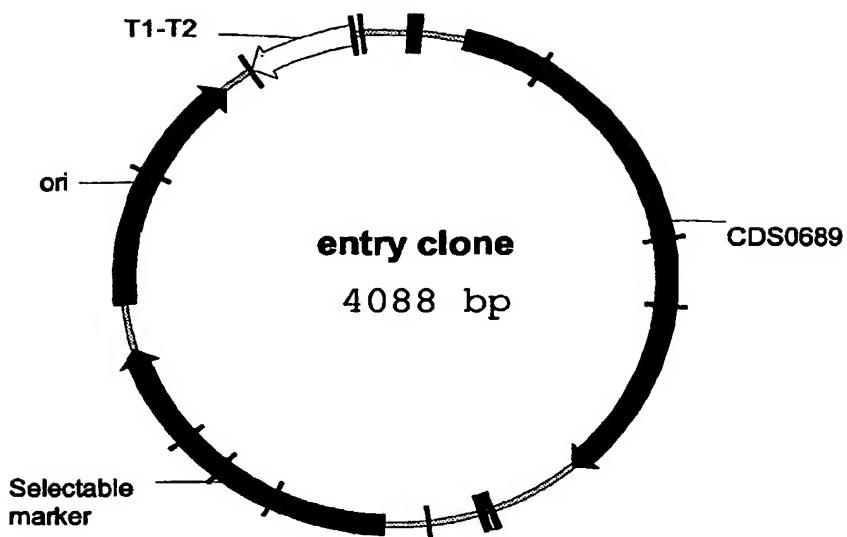


FIGURE 1

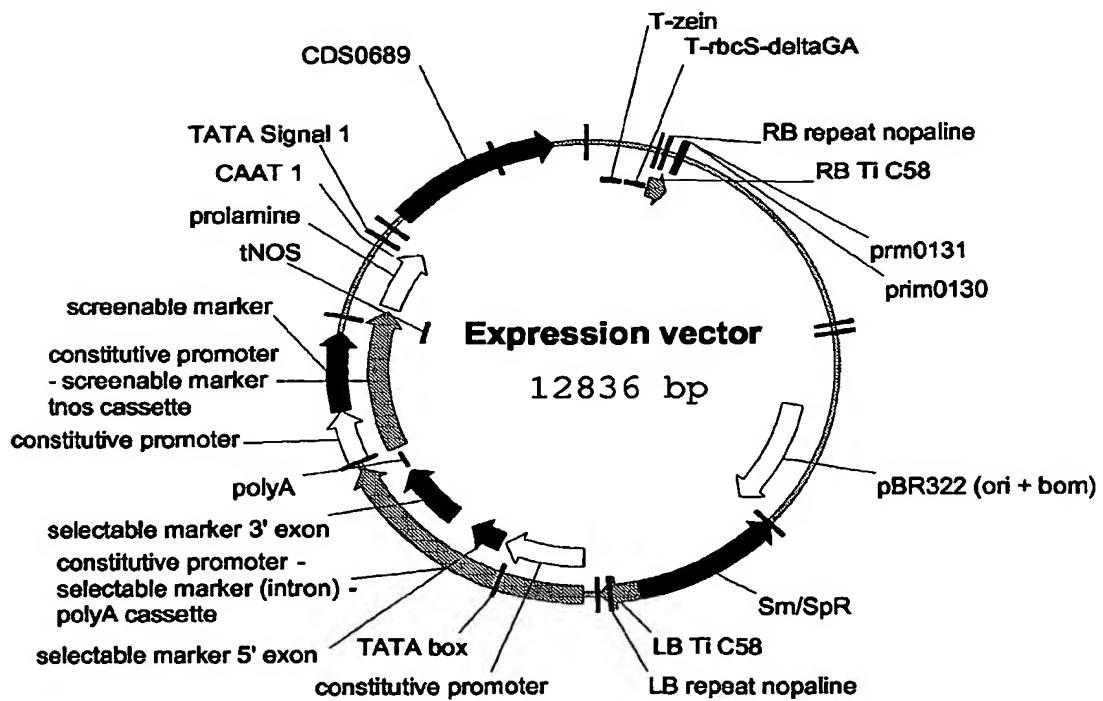


FIGURE 2

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		Motif 1	40
CDS0689	(1)	---MSVLOYPPEGIDEAVQVNNAAFDNGDSEDLSEIKR	
CDS0689 At	(1)	---MTSHEATETLNAPPKIQQNNIAAFDGGISQIISAEAE	
CDS0689 Medicago trunculata	(1)	---MNNNNNNNILLHSTQVQVNNIAAFSGEDFAMNSSSDS	
CDS0689 Os	(1)	-----MEEDPLPPLVHVNNIAAFDSSCSPEAWIPO	
CDS0689 Ta variant	(1)	-----MMEEDPLPPLVHVNTIAAFSSGSSSSAWHAHA	
CDS0689 So	(1)	-----MEEDPLPPLVHVNNIAAFDHASSSAWHAHSP	
CDS0689 Zm variantrev	(1)	-----MEEDPLPPLVHVNNIAFPDHASYSAWHAHSP	
CDS0689 So variant	(1)	-----MTSTEHTETLNAPFQIINNAAFDGSNLSIISAEAE	
CDS0689 Bn est1	(1)	-----MLEISETLNIPFQIINNAAFDGSSTDNHTTAIK	
CDS0689 Eschscholzia californica	(1)	-----MSVLOYPSTFVDPFQVNNIAAFNGDSEDLNATKD	
CDS0689 Ga est1	(1)	-----MSSVLOYPDVVDAPEVQVNNNAFNGDSEDLNLIK	
CDS0689 Pt	(1)	-----MNEVLIHQEAARTDSSTHOTNNNAFSGSESDPVID	
CDS0689 Plumbago zeylanica	(1)	-----MSVLOYPPTLNGOIQINNAAFNGESEDTAMKG	
CDS0689 Citrus sinensis	(1)	-----I E IPEVQIWNNAAFD GDS S AI	
Consensus			
		Motif 2	80
CDS0689	(37)	--SWSPILKPLSVRPSDFESDLSSKINOTLFFENSSVNLS	
CDS0689 At	(38)	SSWSHLN-----ESFDNSCS-----NOFFISVSSSLQSS	
CDS0689 Medicago trunculata	(38)	-----IENLNPSAFN-----	
CDS0689 Os	(32)	---SP-----AVAAVRKGDENHRPEVVD-----	
CDS0689 Ta variant	(33)	-----TPVRRGEKFNRRPAETN-----	
CDS0689 So	(32)	-----VPASARREAGDDENHREDPDP-----	
CDS0689 Zm variantrev	(32)	-----SPAPASAREGEGDDENLREEPDV-----	
CDS0689 So variant	(32)	-----ARASAGHEAPGDENHRREDPDP-----	
CDS0689 Bn est1	(37)	-----SWSNLMSFDSDCS-----OIVSVSSSLKSS	
CDS0689 Eschscholzia californica	(35)	ASSSPILKPIVLNQSEESILDSDIYHEDNOTSCCISPVRTK	
CDS0689 Ga est1	(37)	SWCNFNS-----GSVNQSLESDGSEKIQSLWIKSPVFSK	
CDS0689 Pt	(38)	-----SWWNQSLESDSSKLNLSPVCEQSSPVFV	
CDS0689 Plumbago zeylanica	(41)	--F-----SAPNLSQLLSDSSKLNLSVLAEMPHPAK	
CDS0689 Citrus sinensis	(37)	SWANLKS-----VYMNQSLESDSSKLNLSERLNKSPSSL	
Consensus	(41)	S ESDG KEN P S	
		Motif 3: coiled coil	120
CDS0689	(75)	SPLPIKPLNPNGALENSRLKPNPKNSQSLDEMAARKSGK	
CDS0689 At	(69)	VSITEAPS-----AKSKTVKTKSAADRSKK-----	
CDS0689 Medicago trunculata	(49)	---IVPS-----SNK-----	
CDS0689 Os	(53)	---VAAAG-----	
CDS0689 Ta variant	(50)	-----	
CDS0689 So	(54)	-----	
CDS0689 Zm variantrev	(55)	-----	
CDS0689 So variant	(54)	-----	
CDS0689 Bn est1	(67)	VSFSTDDP-----IRCGKVK-----EKPH	
CDS0689 Eschscholzia californica	(75)	SPLPIKELHPNG-----	
CDS0689 Ga est1	(72)	STASVVKP-----LSSKNVTGNTRPFSAKMKSGVCKE	
CDS0689 Pt	(66)	NSSKPAKPLQ-----	
CDS0689 Plumbago zeylanica	(73)	SPMQK-----	
CDS0689 Citrus sinensis	(72)	KSCVPNPKPLQVN-----SSVKNSQMKQLK-----SVSK	
Consensus	(81)		
		Motif 3: coiled coil	160
CDS0689	(115)	GNDFRDEKKDDEIEEEIQMEISRLSSRLEALPSEKAEKTV	
CDS0689 At	(94)	-----RDIIDAEIEEVKEKEIGRLSTKLESLREKAEQTA	
CDS0689 Medicago trunculata	(56)	-----RTIDDEIAEIESEIKRLSKLELLRVEKAERKI	
CDS0689 Os	(57)	-----YDVEAFIGHIEAEILRLSSRLHHLRVSKQPEPN	
CDS0689 Ta variant	(50)	-----DADAETARIEAEILRLSSRLHHLRVSKGHDAK	
CDS0689 So	(54)	-----DVBAEIGHIEAEILRLXSLRLHHLRTSKQSEPS	
CDS0689 Zm variantrev	(55)	-----EEEMRHIEAEILRLSRLRLHHLRTSQQLQPP	
CDS0689 So variant	(54)	-----DVBAEIGHIEAEILRLSSRLHHLRTSKQSEPP	
CDS0689 Bn est1	(86)	KTGKVRHGDIDAEIEEVKEFMRNLSIRLESLRSEKAEQIA	
CDS0689 Eschscholzia californica	(87)	-----	
CDS0689 Ga est1	(105)	EEKKRDEKKDDEIEEEIEKEIARLSAKLESLRSEKPNIMQ	
CDS0689 Pt	(76)	-----	
CDS0689 Plumbago zeylanica	(78)	-----	
CDS0689 Citrus sinensis	(100)	EEETRDERKEDIEIEEEKEISRLSSRLEALPSEKIDIKT	
Consensus	(121)	ID EI IE EI RLSSRL LRL K	

FIGURE 3

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	401	440
CDS0689	(339) IQSSVVRKRSIPENDKDESKRNDKKRSLSVGKTRVSQTES	
CDS0689 At	(294) TGKEDVRKRSIPEDEEKENHKRSEKR-----RASDESN	
CDS0689 <i>Medicago trunculata</i>	(284) GGD--ARKRSFSEN-----N	
CDS0689 Os	(297) AAAATAKRMAGSSKMRVIPSRYSTTPGSLQSSGAQERR	
CDS0689 Hv contig 123	(111) ISTASTCRPAGSSKVVVPSRYSITPPGSLQ-AATQDGR	
CDS0689 Ta contig	(1) -----GRYSIMPGLGAASQERR	
CDS0689 Zm partial	(87) TSNVATTKRPAGSSKVVVPSRYSITPPGSLIAVTQGNRC	
CDS0689 Sacc sp 3'	(84) TSNAAATAKRPAGSSKVVVPSRYSITPPGSLIAVSQDKRS	
CDS0689 <i>Pinus taeda</i> 3'	(1) -----	
Consensus	(401) KR R RYSL PGA LG	
	441	480
CDS0689	(379) KNL---GNESRVKKRWEIPSEIVVHGNTSEKSPSPLSIVK	
CDS0689 At	(327) K-----SEGRVKKRWEIPSEVDLYSSGEN--GDESPIVK	
CDS0689 <i>Medicago trunculata</i>	(297) KGL--GSEIRAKKRWEIPIEEVIVSG-----FVIM--	
CDS0689 Os	(337) KIQSLPGSSGDANQNEEIRAKVIVPSN--DPLSPVAVSKV	
CDS0689 Hv contig 123	(150) KESLPGSITGSGTQKEEEIKVPTEPVD--DDLSPESEIDKV	
CDS0689 Ta contig	(21) KESLPGSITGGAGQKEEEIKVPTEPVD--DDLSPESEIDKV	
CDS0689 Zm partial	(127) KQS---LPGSATETRNLTEPPNDE---LSPEETIAKV	
CDS0689 Sacc sp 3'	(124) KQS-LPGPASAASQREEIRAKLTPSK--DELSPEETIAKV	
CDS0689 <i>Pinus taeda</i> 3'	(1) -----XEARIITFTGNSAIMAGGTKAPEDEI	
Consensus	(441) K GS R EI A E LSPESL KV	

Motif 4

	481	520
CDS0689	(416) PDIIPRIRIARCVNEELDSEPAKRMIEIIGRSFFSDE	
CDS0689 At	(359) --EIPKIRTTRVGGSPRDSGAAKRVAVLCA-----	
CDS0689 <i>Medicago trunculata</i>	(324) --EIPKISTMRFVDESPRDSGAVKVAEVLNGRSFECDED	
CDS0689 Os	(375) AEIPPKIRTMPDPPDESPPDSGCAKRVAVLVGKRSFFTA	
CDS0689 Hv contig 123	(188) AEIPPKIRTMPDPPDESPPDSGCAKRVAVLVGKRSFFTA	
CDS0689 Ta contig	(59) AEIPPKIRTMPDPPDESPPDSGCAKRVAVLVGKRSFFAA	
CDS0689 Zm partial	(158) AEIPPKIRTMPDPSDESPPDSGCAKRVAVLVGKRSFFTA	
CDS0689 Sacc sp 3'	(161) AEIPPKIRTMPDPSDESPPDSGCAKRVAVLVGKRSFFTA	
CDS0689 <i>Pinus taeda</i> 3'	(29) KMKPKKTVTRETTESPROSGCIREIDRIGRSFFAPD	
Consensus	(481) AEIPPKIRTMP DESPRDSCGCAKRVAVLVGKRSFF AAA	
	521	560
CDS0689	(456) -----DKEPPVCQVLSFAEDAEEEE-----	
CDS0689 At	(389) -----DRNFTFCQELKFE-----	
CDS0689 <i>Medicago trunculata</i>	(361) EEEERVMVEEEGGSVCQVLFNAEEDDDDDDDYGEQG-----	
CDS0689 Os	(415) -----EDGRALDVERAPEAVAEA-----	
CDS0689 Hv contig 123	(228) AGD---GSAISSYQARVLEAPPEEEAAAAGALSDEAAAAG	
CDS0689 Ta contig	(99) AGD---CSAISSYQARVLEAPPEEEAAAAGALSDEAAAAG	
CDS0689 Zm partial	(198) DDG---NLVTPYQARVLEAPPEEEAAAEEAASA-----	
CDS0689 Sacc sp 3'	(201) EDG---NFVTPYQARPVGEL-----	
CDS0689 <i>Pinus taeda</i> 3'	(69) ITST--PSIDXXDACKPLRRESVHEIXHAXXX-----	
Consensus	(521) ARVLE EA E	
	561	592
CDS0689	(476) -----	
CDS0689 At	(403) -----	
CDS0689 <i>Medicago trunculata</i>	(395) -----	
CDS0689 Os	(432) -----	
CDS0689 Hv contig 123	(265) ALSDEAAAAAAEALSDEAAAAEALSDEAAA	
CDS0689 Ta contig	(136) GEALGDEAAA-----	
CDS0689 Zm partial	(226) -----	
CDS0689 Sacc sp 3'	(217) -----	
CDS0689 <i>Pinus taeda</i> 3'	(99) -----	
Consensus	(561)	

FIGURE 3 (continued)

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SEQ ID NO 1: *Nicotiana tabacum* seedyl coding sequence (CDS0689)

atgagtggttacaataccagaaggattgaccagcagatgtttagatggaaacaatgc
 agcattgataatggagattctgaagatgttgcgtgaaacgttctggctccctctga
 aacccttcggttaggccatcagattccttgaatctgatttgtcaagtaaggaaaatcaa
 actccttatttgcgatcattcatctgttacatctctatccgttaccctaaaggcacttaa
 ccctaattgggctctggaaaattcaagactcaagccgaaacaaggccaaatccaaacagagtc
 ttgatgagatggcgcttagaaagagcggaaaggaaatgatttccgtatgagaagaaaata
 gacgagggaaattgaaagaattcagatggagatttagttaggttagttcaagatttagaggctt
 gagaattgaaaagctgagaaaactgttgcataagactgttgcggaaacgcgaggaagggtgtgg
 cagcaaagtttatggagccaaaacaaagtgttattaagattgaagagcgtatataatgagt
 gcaagaacaaagggtggagcagagaaggggtcttagtttaggaccatctgagattttactgg
 aacgcggcggcgagggtttagtatgggcatcagatattcttagcaggacaacaaaggcac
 gcaattggaaagcaagagatgattattactcttattcagccataaaaaacaggcgaag
 tcgttttttggaaagcttcaagagattgaagaagagggaaaatgtcaagccttagtctaa
 atcaagaaaaactgctgcaagaacaatggttacaacaaggcaggcagttactacaattgcat
 caaagaagaatttgcggacttttagttcagttcagccaaagaatgttgcgg
 aaagatctcgaaaagtctgctgctgtaataagaagcccgaggccggggagggtgtggc
 tagtaggtataatcagagtacaattcagttcatcagtttagtgcggaaaagaggcttacctgaaa
 atgataaggatgagagtaagagaaaatgataagaaaacgtcgatctgttagggaaaacgcgt
 gtgtctcaaactgagagcaagaattgggtactgaaagttagggtaaaaagagatggaaat
 tcctagttagttcatggaaacacagagatgtgagaaaatctccactaagcattattg
 tgaagcctgattgctccgcgatttagattgctcggtgtgtgaatgagactcttagggat
 tctggacactgctaaaagaatgatagatgttgcaggcaagaaatcgtttcagttcagtt
 agataaggagccacctgttcaagtttgcaggaaatgtgaagaggaat
 aa

SEQ ID NO 2: *Nicotiana tabacum* seedyl protein (CDS0689)

MSVLQYPEGIDPADVQIWNNAAFDNGDSEDLSSLKRSWSPLKPLSVRPSDSFESDLSSKENQ
 TPLFENSSVNLSSPLPIKPLNPNGALENSRLKPNKPNQSLDEMAARKSGKGNDFRDEKKI
 DEEIEEIQMEISRLSSRLEALRIEKAETVAKTVEKGRVVAAKFMEPKQSVIKIEERISMS
 ARTKVEQRRGLSLGPSEIFTGTRRRGLSMGPSDILAGTTKARQLGKQEMIITPIQPIQNRRK
 SCFWKLQEIEEGKSSSLSPKSRKTAARTMVTRQAVTTIASKKNLKKDDGLLSSVQPKKLF
 KDLLEKSAANAKPQRPGRVVASRYNQSTIQSIVVRKRSILPENDKDESKRNDKKRSLSVGKTR
 VSQTESKNLGTESRVKKRWEIPSEIVVHGNTSEKSPLSIIVKPDLLPRIRIARCVNETLRD
 SGPAKRMIELIGKKSFFSSDEDKEPPVCQVLSFAEEDAE

FIGURE 4

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SEQ ID NO 3: *Oryza sativa* seedyl coding sequence

atggaggaggaccgctcatccgctggccacgtctggaaacaacgcgcgccttcgacgactc
 ctcgtgttccagatcggttggctccccaaagccccccgtcgccggccgtccgcgcaaggcg
 acaaggagaatcaccgccccgagggttggatgtcgccgcggctacgacgtcgaggccgag
 atcggccacatcgaggcgagatcctcgccctctcgatccggctccaccatctccgcgtctc
 caagcagccggagccaaaccgcgacgacgctccgatggggagatggtcgcgaaggtgaggc
 cccggccgaggggctcagcctcgcccccggatgtatctccatcgtaatcgatgagaag
 catccgctgcgcaccaagcagcgcctccggcgcacgcggggcagggggctcagcctcgcccat
 ggagatcgccgcggcgaaccctagggtgcccgcggcgcgcagcatcagaacacagaacgcg
 ctggcacggcgcggatcctgaaggcaatcaaggagcctccggtgcagcgtcgagggcgtc
 agcctcgccgcgttggagatccaccacggcgtcggcagcaaggcaccagcggcggcgcgagc
 caagccgttaccaccaagctcaacgcattcgagaagaaaaccgcaccctcaagcaattcg
 ccgtccccccaagccatggcgtcgcgatatacaggcagacactggactcgaggcaagga
 acagcagaagtcgagcgaaggcgaggagcccgagccccaggcccaggaggcaatccatgg
 caaggctactgacacacaaggggaggcaacaagggtggatgagctcaagccaaagggtgcgt
 cgtcaagttagcggcggcagcgcgcgcgcgcactgcgcagaggatggcggggagctcc
 aagatgagggtcatcccgagccgtacagcctactcctggcgcttcccttggaaagcagtgg
 agcacagggagaggcgacgcagaagcgtctccaggatcatcaggatgcgaaccagaatgg
 agggaaatcagagcgaagggtcatcgagccttcaatgatccactctccctcaaaacgatctcc
 aagggtgtgaaatgctccaaagatcaggaccatgcgcctctgcacgagagccctcgca
 ttccggatgcgccaagcgggttgcgaattggcggaaagcgcgcgttcacggtgcag
 ccgaggacggggcgccgcgtcgcacgtcgaagcaccgcaggcggtcgcagaagcttgc
 ccaccatggtttgcgttccatcagctc

SEQ ID NO 4: *Oryza sativa* seedyl protein

MEEDPLIPLVHWNNAAFDSSCSRSAWLPQSPAVAAVRKGDKENHRPEVDVAAGYDVEAE
 IGHIEAEILRLSSRLHHLRVSKQPEPNRDDAPMGEVAKVRPRPRGLSLGPLDVISIVNREK
 HPLRTKQPPATRGRGLSLGPMEIAAANPRVPAAAQHQQQQRAGTARILKPIKEPPVQRRGV
 SLGLEIHHGVGSKAPAAARAKPFTTKLNAIREETRPSKQFAVPAKPWPSNTRQTLDSRQG
 TAASRAKARSPSPRPRRQSNKGATDTRGGNKVVDELKPKGASSSQSGSAAAATAKRMAGSS
 KMRVIPSRYSLPGASLGSSGAQERRRKQSLPGSSGDANQNEEIRAKVIEPSNDPLSPQTIS
 KVAEMLPKIRTMPPPDESPRDGCAKRAELVGKRSFFTAAAEDGRALDVEAPEAVAEA

FIGURE 4 (continued)

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SEQ ID NO 5: *Medicago trunculata* seedyl encoding sequence

SEQ ID NO 6: *Medicago trunculata* seedy1 protein

MNNTNNNNILLHSTQVQWNNAAFDGEDFAMNSSSDSIKENLNPSAFNIVPSSNKRTIDDEI
AEIESEIKRLTSKLELLRVEKAERKIASEKRVSGIGTGRIVAAKFMEPKKNTPKRNGVVF
EETPKRNGVVS DTPKSRVNWRGMISLGPMELAGKVMAPPAMITTPATVNRRKSCFWKPQESC
EVMPSGITPATVNRRKSCFLKPQESCEENRRKTICKPNLNLSNSVNSAVGSIKRVKKKDEE
IAQVQPKKLFEGEKSVKSLKQGRIVASRYNSGGGGDARKRSFSENNKGLGSEIRAKKRWE
IPIEEVDVSGFVMLPKISTMRFVDES PRDGA VKAELNGKRSYFCDEDEEE RVMVEEE EGG
SVCQVLNFAEDDDDDDDYGEQG

FIGURE 4 (continued)

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SEQ ID NO 7: *Saccharum* sp. encoding sequence (partial 5' end)
 Cgcaccgcgagttcgaaaaaccatcgccctcagatcacgcgaggacgcgagggga
 agcaggaatccctccgctcccagccgcctccgcgtcaccatcgatcgatcgccgtccg
 gtccaggggctccggcggtggcgatggaggaggaccgcctatcccgtggcgcac
 gtctggaaacaacgcgcgcctcgaccacgcgcctccgcgtggcgcacgcgcactccctgt
 gcccgcgagcgcacgtcgcgaggcgaggggacaaggagaaccacccgcgcgcacc
 ccgcacgtcgaggcgagatcgccacatcgaggcgagatcgcgcctgtncgcctn
 caccacccctcgccaccccaagcagtcggagccgtccaaagcgcggagaggtegcgc
 cgcggcgaaggcgaagcggcgccggcggcggctgcggacgcgggggctcagcctggcc
 cgctcgacgtcgccgctgcggtaaccccaacccgcaccaccacaaccagcagcagcag
 cgcgtgcgcgcgagggctcgaagccatcaagcaggcacggcggcggcggcaagggcgt
 aagacttggcccccctcgacatggcggcgacaccctaggccctccgcnn

SEQ ID NO 8: *Saccharum* sp. seedyl protein (partial N-term)
 MEEDPLIPLVHVWNNAFDHASSSAWHAHSPVPASARREAEVDKENHRPDPDPDVEAEIGHI
 EAEILRLXSLHHLRTSKQSEPSKRGEVAPAPAAKAKAAAARLRTGLSLGPLDVAAGNP
 NPLTTDNQQQPRAAQGLKPIKQATAAAAGKGVRLGPLRHGRR

SEQ ID NO 9: *Zea Mays* seedyl encoding sequence (partial 3' end)
 ccacgcgtccggcgcgttcgagaggaggaaggccagcgttccaaggaggcgcgcgc
 agaccgtggccatccagcaatgccaggcaccactggatgccaggcaggcaccgc
 cagagccaaaggcgaggagcgggagcataagccccagcaggttcaggaggcagtc
 aggctgcgcgagacaagagcggaaatgccaagcctacagaggcgcacgcggagg
 gcggtcaatcacaccagcaatgttagccacgcgaagaggccggggagctcaagg
 ggttgcggcggctacagcatcccacctggctcccttagcagctgtgacacaagg
 accgatgcaagcagtctcccgaggatcggtacttgagaccagagtaatctact
 cgcgaacgcgcgtgtctctgaagaacttgcggcggcggcggcggcggcggcgg
 gaccatgccgcctctgtatgagagccgcgtgactcgggatgtgccaagcgtgt
 tggtcggcggcggcggcggcggcggcggcggcggcggcggcggcggcggcggcgg
 caggcacgggtgggtgaacttgaatcacccgaggcgcgcgcgcgcgcgcgc
 agtttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
 tgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgcgttgc
 agacattgttagtactttgtgtgcgttgcgttgcgttgcgttgcgttgcgttgc
 nccttgcgtt

SEQ ID NO 10: *Zea Mays* seedyl protein (partial C-term)
 TRPAVREEEGQRSKEHAVPARWPSSNARHPLDARQGTAAKSRAKARSGSISPSRFRQSTS
 KAAETRAGNAKPTEATRGGSEAVNHTSNVATTKRPAGSSKVRVVPSSRYSI
 PPGSSLAAVTQGN
 RCKQSLPGSATETRVNLTEPPNDELSPEELAKVAELLPRIRT
 MPPSDESPRDGCAKRVADL
 VGKRSFFTAAGDDGNLVTPYQARVVELESPEAAEAE

FIGURE 4 (continued)

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SEQ ID NO 11: *Arabidopsis thaliana* seedyl coding sequence

atgacatcaattgaggcaacagaaacgcttaacgctcctccaaagcttcagatctggAACAA
cgctgccttcgacgatggagattctcaaattcacttccgcattcgaagcttcttgggtctc
acctaacaatcgatcattcgattccgattgttagcaaggagaatcagttccgatttcgggttcc
tcttcgctccaaatcctcagtctcgatcaccgaagctccgtcagcaaaatccaagaccgtgaa
gaccatccgcccgcagatcgagtaaaaagcgagatatcgatgcagagatcgaagaagtag
agaaggagatcggacgattatcgacgaaattggagtcgctccgatttagagaaggcggagcaa
accgcaagaagcattgtctatacgttggaaagaaatcgttccggcgaagttcatggaatcatctca
gaaacaagtgaaattcgacgattcgtttacaggatcgaaatcaagagccactcgttagag
gcgttagtcttgaccagcggagatattcaattccgcgaagaaatctgaaactgtgactcct
cttcaatcagctcagaatcgacgcaagtctgttttaagcttccttggaaatcgaaagg
tcaagtgacgacacgaggtaaggaaagaacgagttttagtctgagtcgagatctcgcaag
cgaaaatgacggcagctcagaagcaagcagctacgcacggtgggtcaaagagagctgtgaag
aaagaagaaggagttctttaacaatccagcctaagaggctattcaaagaagatgaaaagaa
tgtttctttaaggaaaccattgaaaccaggaaagagttgtggtagtaggtacagtcaaattgg
gtaaaacgcagactggagagaaaagatgttagaaaaaggctgtgcctgaggatgaagagaaaa
gagaatcataagaggtcgagaaagagaagagatctgtatgaaagtaacaagagatgtgaagggag
agtgaagaagagatggagattccaagtgaagttgtatagcagtggtagaaacggcgt
acgagttctctatagttaaggagactacctaagatcagaacgcgttgcgtgtggagggagc
cctcgtgattcaggctgtcataagagagttgcagaattacaagccaaggatcgtaacttcac
ttttgccagttctgaagttgaagaatgatccgcttatcaatttgagtaaaaatcca
caactttgttgggtt

SEQ ID NO 12: *Arabidopsis thaliana* seedyl protein

MTSIEATETLNAPPKLQIWNNAAFDDGDSQITSAIEASSWSHLNESFDSDCSKENQFPISVSSIQSSVSITEAPSAKSKTVKTSAAKRSKKRDIADAEIEEVEKEIGRLSTKLESLRLEKAEQTARSIAIRGRIVPAKFMESSQKQVKFDDSCFTGSKSRATRRGVSLGPAEIFNSAKKSETVTPLQSAQNRRKSCFFKLPGIEEGQVTRGKGRTLSLSPRSRKAKMTAAQKQAATVGSKRAVKKEEGVLLTIQPKRLFKEDEKNVSLRKPLKPGRVVASRYSQMGKTQTGEKDVRKRSILPEDEEKENHKRSEKRRASDESNKSEGRVKKRWEIPSEVDLYSSGENGDESPIVKELPKIRTLRRVGGSPRDSGAAKRVAELOAKDRNFTFCOLLKFE

FIGURE 4 (continued)

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SEQ ID NO 13: Sequence of the [PRO0090 - CDS0689 - terminator] expression cassette

FIGURE 4 (continued)

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ttcttgataaaagtggatatacacaagccccggcggtcttctagggataacaggtaatta
tatccctctagatcacaagccccggcggtcttctacgatgattgagtaataatgtgtcacgc
atcaccatgggtggcagtgtcagtgtgagcaatgacatgaaatgaaatgaaaaga
aaaaaaagatactccatctgttccaaattaaattcatttaacctttataggttatacaa
taattgatataatgtttctgtatatgtctaatttgcattatccggcggtcttctagggat
aacaggtaattatatccctctagacaacacacaacaaataagagaaaaaacaataatatt
aatttgcataatgaaacaaaaggaccatcatcattactcttccatccatttcatttc
acagttcgatagcgaaaacccaataaaaaacacagtaattacaagcacaacaaatggtaca
agaaaaacagttcccaatgccataactcgac

SEQ ID NO 14: rice prolamin RP6 promoter sequence

ccttctacatcggttaggttagcaacacgactttattattattattattattat
tattttacaaaaatataaaatagatcagtcctcaccacaagttagagcaagttggtgagtt
ttgtaaagttctacaaagctaattttaaagtattgcatttaacttatttcatattacaaaca
agagtgtcaatggacaatgaaaaccatatgacatactataattttgttttatttattgaaa
ttatataattcaagagaataatccacatagccgtaaagtctacatgtggtgcattacca
aaatataatagcttacaaaacatgacaagcttagttgaaaaatttgcattatcacat
tgacacataaagttagttagtgcataatatttttcttgcatttgcattatcatgtatata
gatagccacaaagttactttgtatgatgatcaagaacatttttaggtgcacctaacagaa
tatccaaataatatgactcacttagatcataatagagcatcaagtaaaactaacactctaaa
gcaaccgatggaaagcatctataatagacaagcacaatgaaaatcctcatcatccttac
cacaattcaaattatagttgaagcatagtagtagaaatccaacaaca

SEQ ID NO 15: Motif 1 CORE SEQUENCE

WXNAXXD

SEQ ID NO 16: Motif 2 CORE SEQUENCE

KENXXP

SEQ ID NO 17: Motif 3 (coiled coil) CORE SEQUENCE

EX₁₋₆EXXRLXXXLXXLR

SEQ ID NO 18: Motif 4 CORE SEQUENCE

LPXIX₁₋₁₀RDSGXXKRX₁₋₆K

FIGURE 4 (continued)